

CLAIMS

1. A method of computer-aided extraction of quantitative information, the method
5 comprising the steps of:
 acquiring primary data from an object to be examined;
 processing the primary data on the basis of a primary parameter set to determine
 a primary result;
 determining a confidence interval with respect to the primary result;
10 displaying the primary result and the confidence interval;
 adjusting the primary parameter set on the basis of an input;
 reprocessing the primary data on the basis of the adjusted primary parameter set
 to determine a secondary result; and
 displaying the secondary result.
- 15 2. The method of claim 1,
 wherein the primary parameter set comprises a plurality of parameters;
 varying at least one parameter of the primary parameter set;
 adjusting the primary parameter set on the basis of the at least one parameter
20 which is varied; and
 interactively reprocessing the primary data on the basis of the adjusted parameter
set to determine the secondary result and displaying the secondary result.
3. The method of claim 1, further comprising the steps of:
25 providing a distrust selection option; and
 forwarding the primary data and the corresponding primary parameter set to a
service port when the distrust selection option is selected.
4. The method of claim 1, further comprising the steps of:
30 providing a trust selection option; and

storing the primary parameter set in correspondence with the primary data when the trust selection option is selected.

5. The method of claim 1, further comprising the steps of:

- 5 comparing the primary diagnostic data to secondary data;
 deciding whether the primary data is comparable to any of the secondary data;
 reprocessing the primary data on the basis of a secondary parameter set belonging to
 similar secondary data to determine a tertiary result; and
 displaying the tertiary result.

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6. The method of claim 1,

 wherein the method allows for an explorative determination of a dependability of at
 least one of the primary and secondary results.

15 7. Data processing device, comprising:

- a memory for storing primary data from an object to be examined and a primary
 parameter set;
 a processor for processing the primary data for a computer-aided extraction of
 quantitative information to determine a primary and a secondary result; and
20 a display for displaying the primary and secondary results;
 wherein the primary data is processed by the processor on the basis of a primary
 parameter set to determine a primary result;
 wherein a confidence interval is determined by the processor with respect to the
 primary result;
25 wherein the primary result and the confidence interval are displayed on the display;
 wherein the primary parameter set is adjusted on the basis of an input by the
 processor;
 wherein a reprocessing the primary data on the basis of the adjusted primary
 parameter set to determine a secondary result is performed by the processor; and
30 wherein the secondary result is displayed on the display.

8. Computer program for a data processing device for performing a computer-aided extraction of quantitative information, wherein, when the computer program is executed on a data processor of the data processing device, the data processing device executes the following steps:

- 5 acquiring primary data from an object to be examined;
- processing the primary data on the basis of a primary parameter set to determine a primary result;
- determining a confidence interval with respect to the primary result;
- displaying the primary result and the confidence interval;
- 10 adjusting the primary parameter set on the basis of an input;
- reprocessing the primary data on the basis of the adjusted primary parameter set to determine a secondary result; and
- displaying the secondary result.